DOCUMENT RESUME

ED 025 153 EM 006 844

The Status of Instructional Television: A Study of Instructional Television for Elementary and Secondary Schools During the First Semester of the School Year 1963-1964, with Supplementary Tables.

National Instructional Television Library, New York, N.Y.

Pub Date Mar 64

Note-47p.

EDRS Price MF-$0.25 HC-$2.45

Descriptors-Airborne Television, *Closed Circuit Television, *Commercial Television, Course Content, Economics, *Educational Television, Elementary Schools, Grouping (Instructional Purposes), Inservice Courses, Instructional Design, *Instructional Television, Lesson Plans, Questionnaires, Secondary Schools, Student Enrollment, *Tables (Data)

Identifiers-Midwest Program On Airborne Television Instruction

Information for a tabular study of instructional television (ITV) series was supplied via questionnaire by 81 educational television stations, the Midwest Program on Airborne Television Instruction, 41 closed-circuit installations, and 51 commercial channels. Most of the series offerings (72%) were designed for elementary grades. Offerings for secondary grades were 13% for grades 7-9, and 15% for grades 10-12. The instructional purpose of each series was categorized as major resource, supplemental, or enrichment. Supplementary tables provide statistics on the following: hours devoted to ITV programing (25,800 broadcast hours during first semester 1963-64), enrollment, weekly lesson frequency, number of lessons in an entire series, length of lessons, production sources, types of program selection control, expenses and sources of income of educational television stations for ITV programing, course offerings and content, air time for ITV series, lesson repeats, inservice teacher education, and educational television assessment formulas. (TI)

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APPENDIX A

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THE STATUS OF INSTRUCTIONAL TELEVISION

A Study of Instructional Television for Elementary and Secondary Schools during the First Semester of the School Year 1963-1964 with Supplementary Tables

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NATIONAL INSTRUCTIONAL TELEVISION LIBRARY
10 Columbus Circle
New York, New York 10019

March 1964

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THE STATUS OF INSTRUCTIONAL TELEVISION

A study of instructional television for use by classes in elementary and secondary schools during the first semester of the school year 1963-1964 was made by the National Instructional Television Library. The study included the instructional television offerings and related operations of educational television stations, closed circuit installations, and commercial channels.

Before starting this study, a review was made of previous studies. Although these studies included a wealth of information, none dealt with the current school year. Educational television is a fast-moving field of endeavor in which the facts and figures are constantly changing. Also, none of the previous studies gave data concerning certain aspects of instructional television which were deemed important in this study, and no source consulted gave information concerning instructional television offered over commercial channels.

The report is based upon the information furnished by the 81 educational television stations on the air September, 1963, Midwest Program on Airborne Television Instruction, 41 closed circuit installations, and 51 commercial channels offering instructional television courses. Of the 81 educational television stations, 72 reported offering instructional television lessons for elementary and secondary grades. A description of the method by which the data of this report was gathered is given in some detail in the last section of this report.

Unless otherwise stated, all figures are totals for instructional television (ITV) during the first semester of the school year 1963-1964

over educational television stations (ETV), closed circuit television installations (CCTV), and commercial channels (COM) offering regular ITV courses. The elementary grade level grouping was kindergarten through sixth grade (K-6); the secondary grouping, seventh through twelth grade (7-12).

Grade Emphasis

The division of the total offerings of ITV series according to grades showed an emphasis on offerings for the elementary grades, 72 per cent of the total: 24 per cent for grades K-3, 48 per cent for grades 4-6.

The series offerings for secondary grades were 28 per cent of the total, with 13 per cent for grades 7-9, and 15 per cent for grades 10-12.

FIGURE 1

TOTAL OFFERINGS OF 1887 ITV SERIES

Elementary - 1355 series

K-3: 451	4-6: 904

Secondary - 532 series

7-9: 245	10-12: 287

An ITV series is a sequence of television lessons dealing with specific subject-matter content at specified grade level or levels. Series vary in length from 2 to 190 lessons, as explained in some detail in a later part of this report.

The term "offering of ITV series" refers to the count of the number of series offered by the various broadcasting facilities. The figure for the total offering for ITV series does not refer to the number of discrete

series, as certain series of lessons are included in the count more than once. For example, "Exploring Nature," originally produced by The Natural Science and Television Project and WGBH-TV (Boston), was used on 7 broadcasting facilities other than WGBH-TV during the first semester 1963-1964. Therefore, this series was counted 8 times in the final tabulation, once for its use by each of 8 broadcasting facilities.

Hereafter in this report, the word "series" refers to any series of lessons offered by a broadcast facility; the series may be produced locally and used on the one broadcast facility only, or it may be a series that is secured from some other source.

Series in Subject Areas

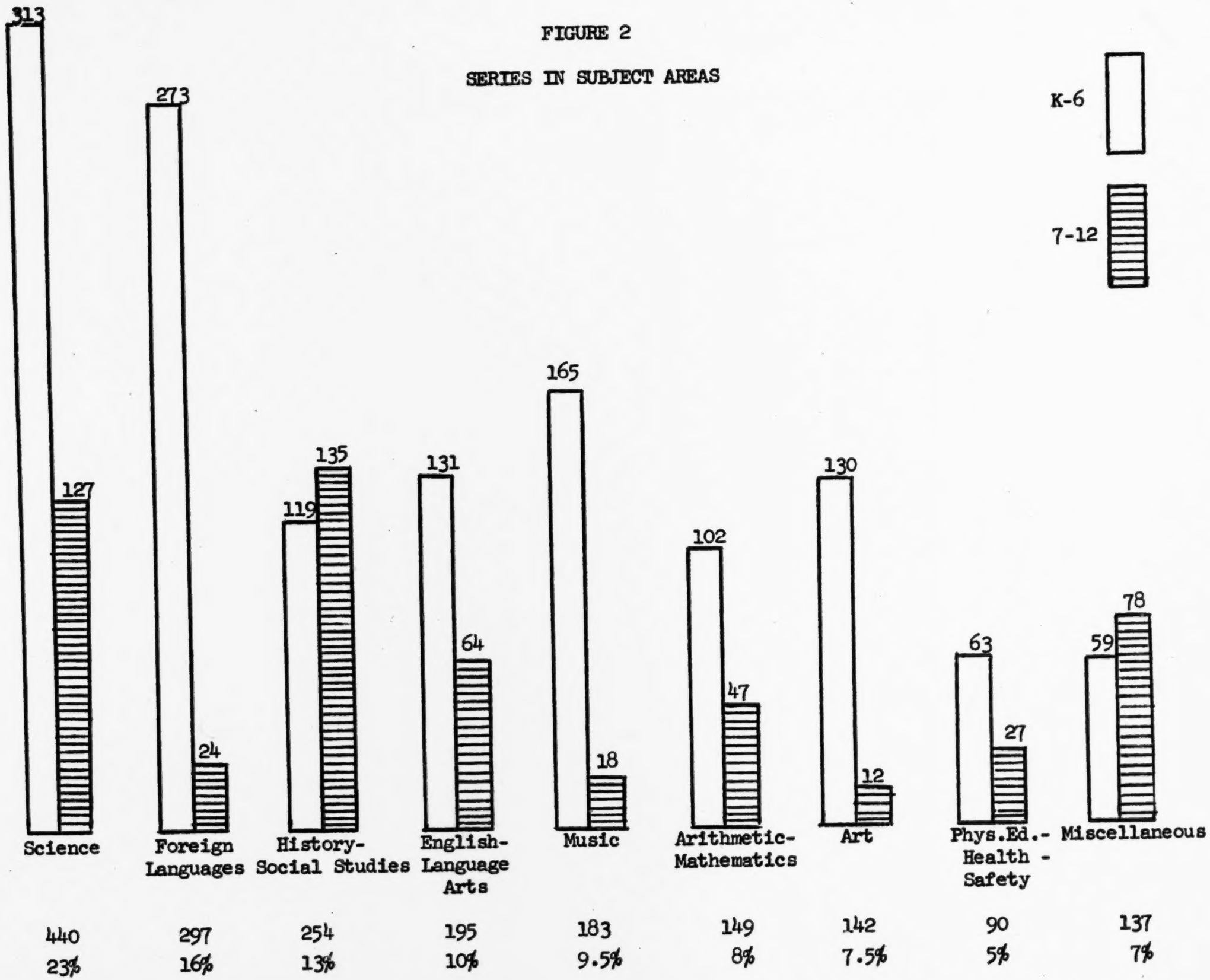
Figure 2 shows the series grouped into 8 major subject-area divisions. The category labeled "Miscellaneous" includes such subjects as news and public affairs, home economics and homemaking, guidance and counseling, handwriting, general kindergarten, typing, and series which included lessons in many different subject areas.

The emphasis was on the elementary grades. More series were offered in the secondary grades than in elementary grades only in the subject area of history-social studies and the category "Miscellaneous."

Foreign languages for grades K-6 include 106 uses of the three French series, "Parlons Francais I, II, III," generally used in grades 4, 5, 6, produced by the Modern Language Project. The other foreign language series are divided thus: elementary French (23 series), secondary French (11), elementary Spanish (138), secondary Spanish (12), elementary German (6), secondary German (1).

FIGURE 2

SERIES IN SUBJECT AREAS

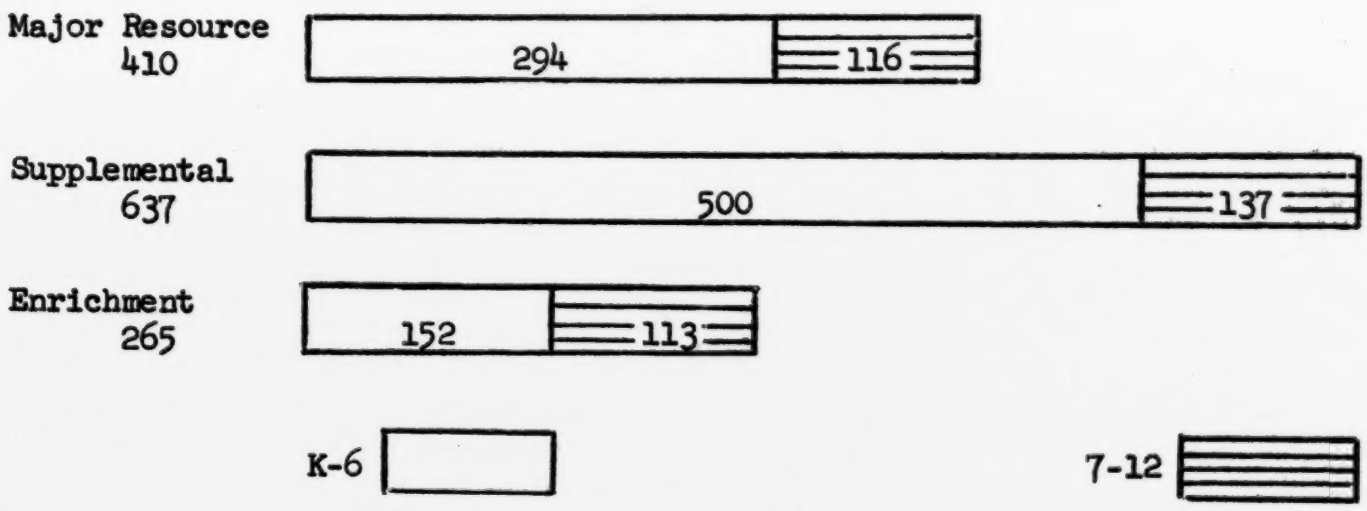


Instructional Purpose (ETV)

The ITV series as described in the printed materials supplied by the ETV stations were analyzed according to instructional purpose. They were separated into three categories: major resource, supplemental, and enrichment.

FIGURE 3

INSTRUCTIONAL PURPOSE (ETV)



The phrase "major resource" was used to characterize ITV series which presented the major content or all the basic concepts of the course. Such a presentation still allowed time for the classroom teacher to conduct activities to clarify, reinforce, and extend the television lessons. Series which presented 4 or 5 lessons a week, sometimes 30 minutes in length, obviously belong in this category. Other series, though less frequent or shorter, were placed in this category when the statement of the purpose included in the printed program schedules indicated such placement; this was most frequently true with elementary grades series.

"Supplemental" included series which were definitely correlated with the local courses of study, but which did not present all of the major con-

tent. Such series usually provided expert teaching and unusual resources, introducing content material in a different manner, thus reinforcing the classroom activities. Such lessons usually were broadcast alternate weeks or once a week, although other patterns of frequency were to be found.

"Enrichment" included series which included valuable resource materials which did not relate directly to the principal contents of courses of study. This category included series such as news and public affairs, symphonic music, guidance or counseling, or series which brought materials which were related but not essential to courses of study.

These categories are not rigid by any means. An ITV science series may be used as a major resource in a school which has limited science equipment or a teacher not especially trained to teach science; the same series may be considered supplementary or even enrichment by another school which has adequate equipment and a qualified science teacher.

The subject areas which appeared most frequently under major resources were foreign language (193 series), science (65), history-social studies (50), and music (41). As ITV series in foreign languages are widely used in the elementary schools in classrooms with teachers not especially trained to teach a foreign language, the large percentage of major resource series in this area was to be expected.

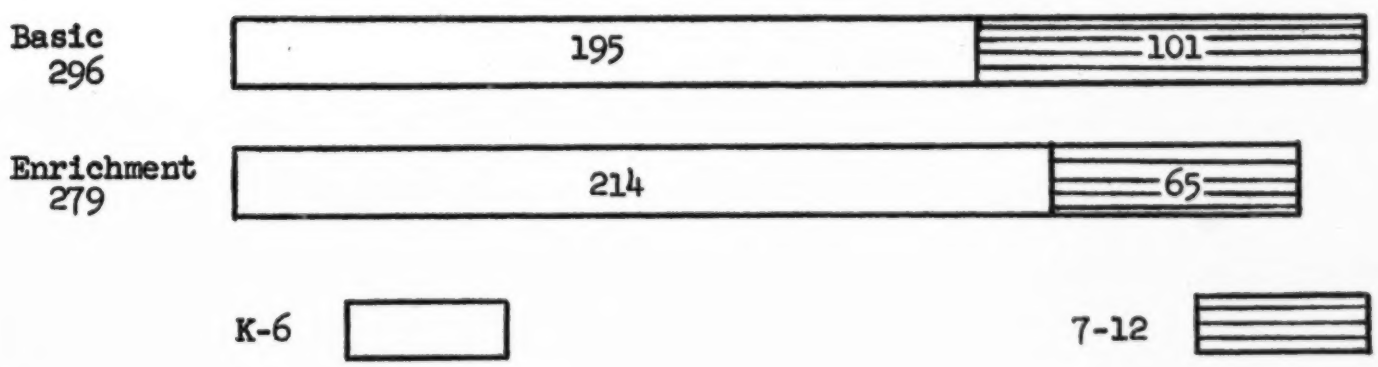
Instructional Purpose (CCTV and Commercial)

The school districts having closed circuit installations or using commercial channels for ITV were asked to characterize their series as "basic" or "enrichment," since these are the terms of differentiation most commonly used. The series here classed as "enrichment" no doubt include

many series which could have been classed as "supplemental" if this category had been included in the questionnaire.

FIGURE 4

INSTRUCTIONAL PURPOSE (CCTV AND COM)

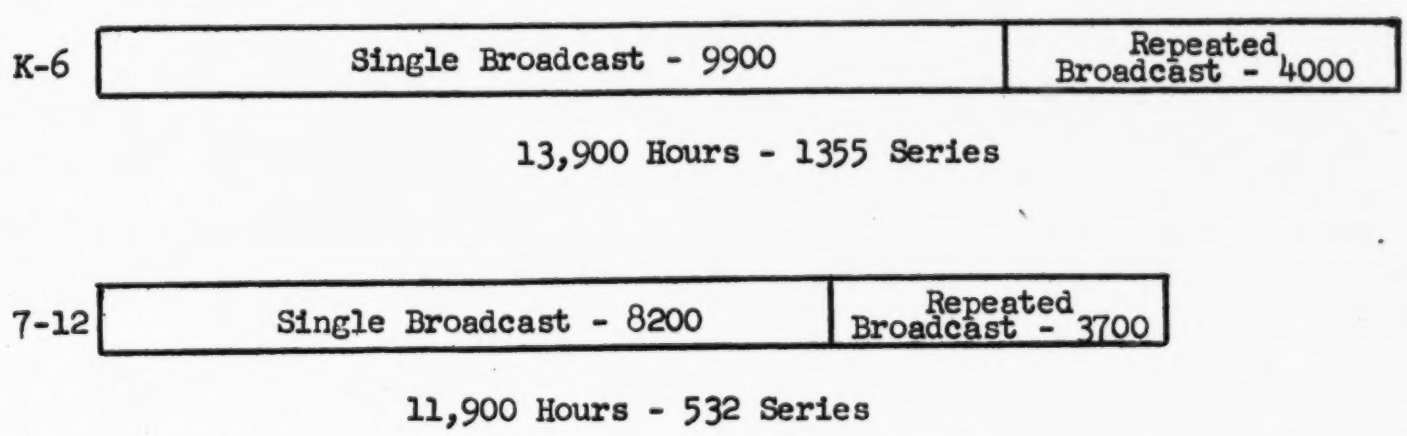


Total Series Hours

The total time devoted to ITV during the first semester 1963-1964 was 25,800 broadcast hours.

FIGURE 5

TOTAL BROADCAST HOURS



In order to fit television offerings to class schedules and thereby facilitate the use of the television lessons, many broadcast facilities repeated lessons. The repeat pattern varied from 1 to 11 repeats. Thirty-five per cent of the ITV series were repeated. Single broadcast time was 70 per cent total time; rebroadcast time, 30 per cent.

There seems to be a disproportionate amount of time for grades 7-12 if that figure is related to the number of series offered. Secondary series, however, usually were longer and had a larger number of lessons each week, as will be shown in more detail in other sections of the report.

Increase in ITV Programming (ETV)

The total number of hours for in-school broadcasting has increased as the number of ETV stations increased. The percentage of total broadcast time for in-school programming has also increased from 33.56 per cent in the spring of 1962 to 39.47 per cent in the first semester of 1963-1964. Other figures concerning the growth of in-school programming are shown in Table 1.

The figures for 1961 and 1962 were taken from two reports published by Brandeis University: "One Week in Educational Television: May 21-27, 1961" and "One Week in Educational Television: March 18-24, 1962."

As the two reports from Brandeis University included in-service education series for teachers, the figures for in-service were also included in the 1963-1964 figures.

Certain other statistical figures can be given for the first semester of 1963-1964. The series for in-class use took a total time of 1331:10

TABLE 1

INCREASE IN ITV PROGRAMMING
(ETV STATIONS)

	1961 [1]	1962 [2]	1963-1964 [3]
Total number of hours per week: in-school broadcasts	754:12	839:55	1451:15
Average number of hours per week: in-school broadcasts [4]	14:00	14:00	17:55
Total number of hours of broadcast: all ETV programming	2114:20	2502:50	3676:35
Percentage of total broadcasts for in-school broadcasts	35.67%	33.56%	39.47%

[1] Figures in this column from "One Week in Educational Television: May 21-27, 1961," published by Brandeis University. The figures for the two ETV stations in Puerto Rico were subtracted from the totals, as these two stations were not included in this study. The totals are for 54 ETV stations.

[2] Figures in this column from "One Week in Educational Television: March 18-24, 1962," published by Brandeis University. The figures for Puerto Rico were subtracted. The totals are for 60 ETV stations.

[3] The totals are for 81 ETV stations on the air September 1963.

[4] Number of hours per week divided by the total number of ETV stations on the air at the time specified.

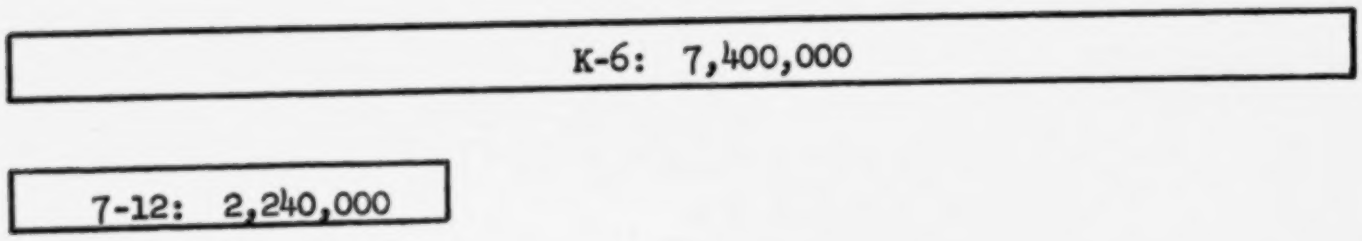
hours per week, or 36.21 per cent of the total broadcast time; in-service, 120:05 hours, or 3.26 per cent. The total number of hours per week for series for in-class use divided by the number of ETV stations offering courses for K-12 (72 stations) indicates that such stations offered an average of 18:30 hours per week for in-class use. The figure 17:55 in Table 1, average number of hours per week for in-school broadcast, includes in-service education series and was computed by dividing the total number of hours for in-school broadcasts by the total number of ETV stations, both those offering series for K-12 and those not offering such courses. The total number of hours per week for in-service education divided by the number of ETV stations offering such courses (55), indicates that such stations offered 2:12 hours per week on the average.

Enrollments

The term "enrollments" refers to the total number of students enrolled in classes utilizing ITV courses. This does not refer to the number of individual students. A single student may have been enrolled in two or even more classes which utilized television lessons; he would thereby be counted two or three times.

FIGURE 6

ITV ENROLLMENTS



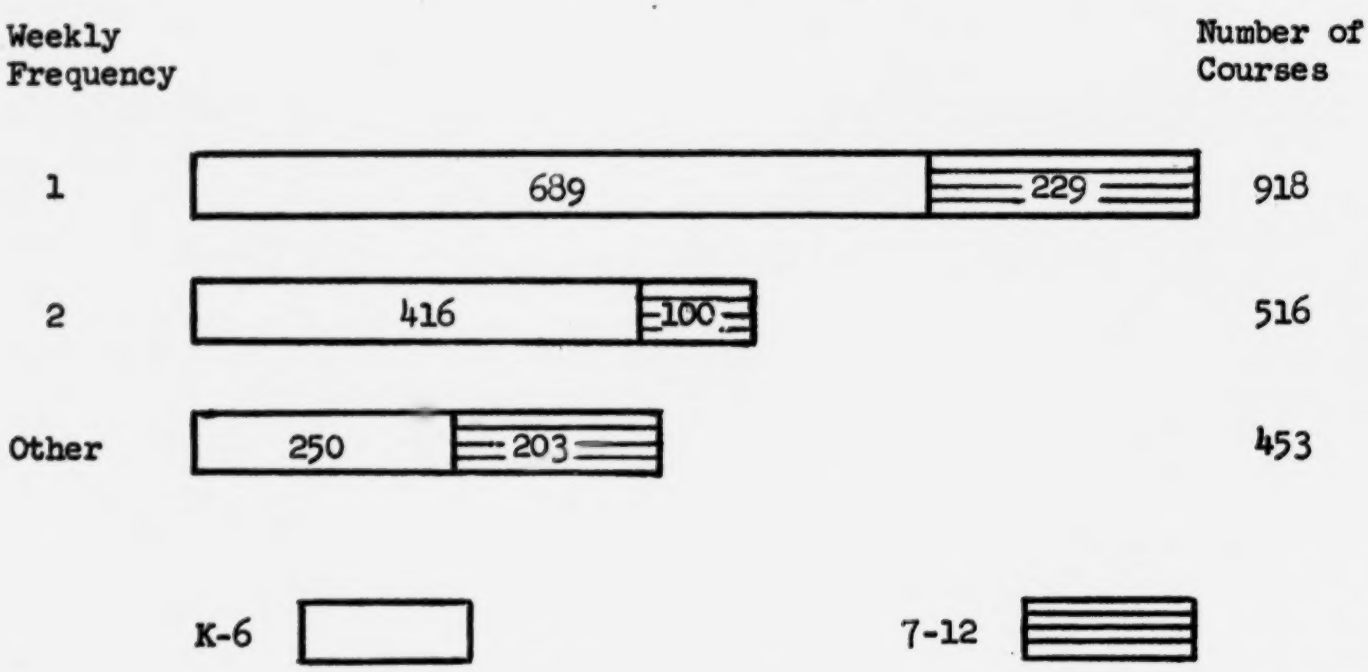
The total enrollment was 9,640,000 students. Enrollments in the elementary grades were 77 per cent of the total; in the secondary, 23 per cent. These percentages parallel the percentages for series offerings, which were 72 per cent for elementary, 28 per cent for secondary.

Weekly Lesson Frequency

The largest number of ITV series had one or two lessons a week, as is shown in Figure 7. Eighty-two per cent of the series for the elementary grades had one or two lessons weekly; 62 per cent of the series for secondary grades had the same weekly lesson frequencies.

FIGURE 7

WEEKLY LESSON FREQUENCY



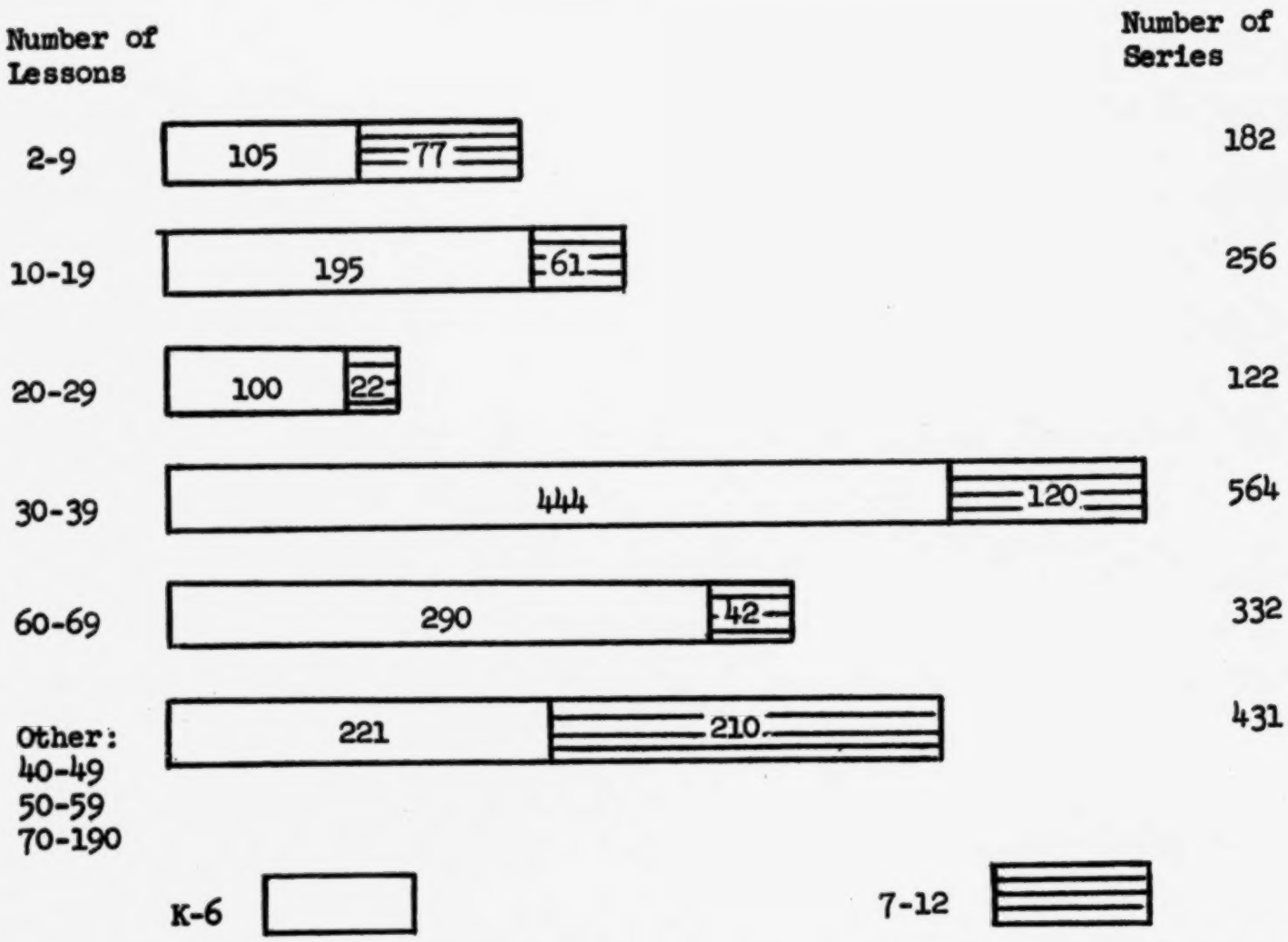
"Other" included a wide variety of frequencies: 3, 4, or 5 times a week; two lessons one week, one lesson the next; three lessons one week, two the next; alternate weeks; monthly; or occasionally.

Number of Lessons in Entire Series

The number of lessons in the entire series was dependent upon the frequency of lessons each week and the length of the series: a full academic year, a semester, a part of a semester. Series ranged in number from 2 lessons to 190 lessons.

FIGURE 8

NUMBER OF LESSONS IN ENTIRE SERIES



The largest number of series had 30 to 39 lessons; generally, these were the courses that had one television lesson a week for the full academic year. Series with 60-69 lessons, the second largest grouping, were usually

designed to have two lessons a week.

Fifty-four per cent of the elementary series fell within these two categories, only 30 per cent of the secondary series. Thirty-seven per cent of the secondary series had 70 to 199 lessons. The number of lessons in the series generally was greater in secondary courses where the subject-matter scope and depth required more television lessons.

Series with 2-9 lessons often had one lesson a month, or came in the category of "occasional." In this group were also some of the series from NET, not originally produced as ITV but selected by participating schools and ETV stations as making a definite academic contribution to local courses of study.

Series with 10-19 lessons frequently had lessons twice monthly or alternate weeks.

Length of Lessons

As can be seen in Figure 9, elementary grade lessons were most frequently fifteen or twenty minutes in length; secondary lessons, most frequently thirty minutes.

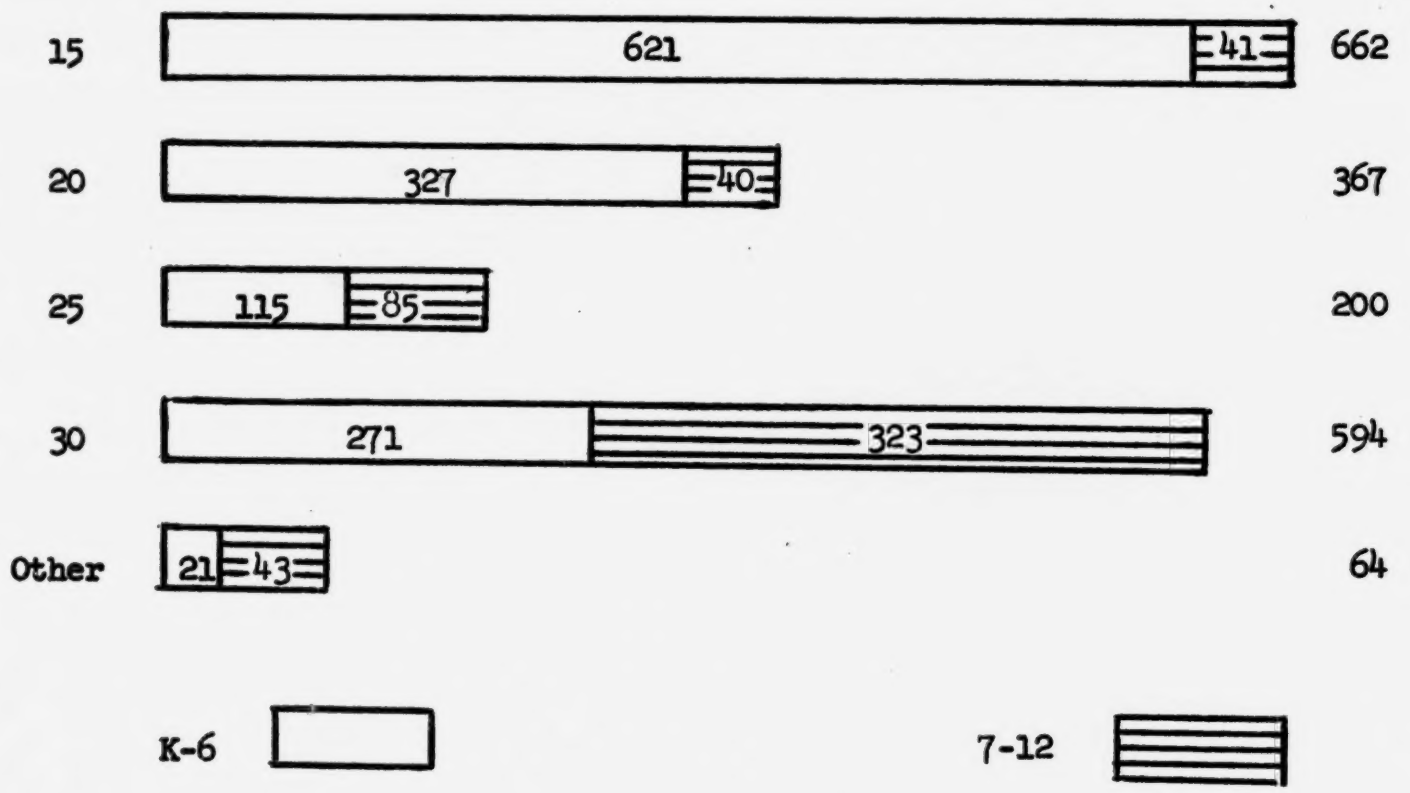
Of the 1355 series for the elementary grades, 46 per cent were fifteen minutes in length, 25 per cent were twenty minutes, 8.5 per cent were twenty-five minutes, and 20 per cent were thirty minutes.

Of the 532 series for the secondary grades, 7.7 per cent were fifteen minutes in length, 7.5 per cent were twenty minutes, 16 per cent were twenty-five minutes, and 60 per cent were thirty minutes.

The "other" lesson lengths were five, ten, twelve, thirty-five, forty, forty-five, fifty, and fifty-three minutes.

FIGURE 9

LENGTH OF LESSONS



In-Service Education

One hundred eighty-six series for direct in-service education for teachers were offered. All good ITV lessons serve as indirect in-service education, as the classroom teacher has the opportunity to observe another teacher at work. These 186 series, however, were designed to serve the teachers directly. They were broadcast usually during out-of-school hours.

The lessons were usually 30 minutes in length (155 of the 186), once a week (132). One hundred thirty-seven series were produced locally. Forty-nine series were produced elsewhere; in this figure is included the teacher's lessons accompanying such series as "Parlons Francais."

The series offered were placed in three categories: those primarily for elementary teachers, those primarily for secondary teachers, and those for both levels.

The series divided according to grade level and subject content are:

Elementary - foreign languages (63), arithmetic-mathematics (22), science (11), English-language arts (6), art (4), music (4), social studies (2), audio-visual (2), series including a variety of subjects (5).

Secondary - foreign languages (9), economics (8), home economics (4), nursing (4), drama (4), social studies (2), guidance (1), English (1), series including a variety of subjects (4).

For both grade levels - mathematics (11), English (4), physical education (4), foreign language (1), series including a variety of subjects (10).

Production Sources

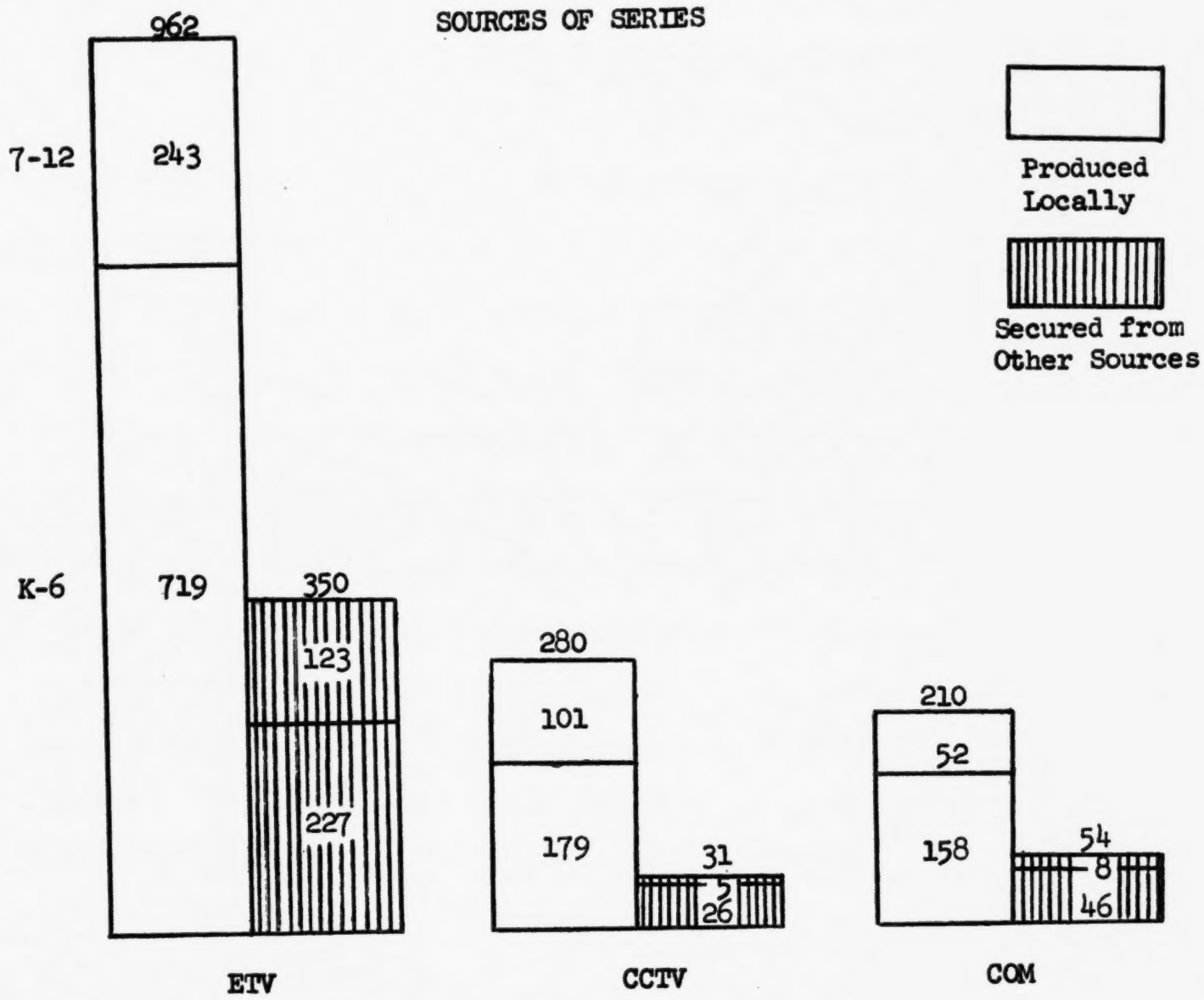
The greatest number of series (1452) were produced locally by the transmitting facilities; 435 were secured from other sources.

Of the series secured from other sources, 409 were secured in recorded form, as videotape, films, or kinescopes. Twenty-six were picked off the air for rebroadcast.

The sources of the 409 recorded courses were: "Parlons Francais" (3 series-106 uses), MPATI (16-37), National Educational Television (34-70), commercial companies (18-26), National Instructional Television Library (4-16), Great Plains Regional Instructional Television Library (6-16), educational television stations (47-75), state departments of education (20-32), universities and colleges (9-10), professional organizations (3-4), commercial television stations (7-12), and others (5-5).

FIGURE 10

SOURCES OF SERIES



The 26 series picked up from the air came from 5 ETV stations and were rebroadcast by 5 ETV stations and 2 closed circuit installations. This figure does not include the rebroadcast of programs over stations forming a network, as the Georgia network, or stations working cooperatively, as Seattle and Yakima.

In addition to these 435 series, which were designed for classroom use, there were 49 series for direct in-service education secured elsewhere. This number includes the in-service lessons which are part of an ITV

"package," such as the teacher lessons accompanying "Parlons Francais."

Attitude Toward Using Series Produced Elsewhere

The ETV stations and school districts using commercial channels were asked: "Would you consider using ITV series produced elsewhere?" The answer was affirmative for 58 ETV stations and 30 commercial channel users. There was 1 negative response from an ETV station, and 2 from commercial channel users. The other ETV and commercial broadcast facilities did not respond to the question. The question was not raised with CCTV installations.

The 96 per cent affirmative response was to be expected in the light of the large and growing number of series used which were not produced locally.

Another question was asked: "Under what conditions would you use ITV series produced elsewhere?" The responses were largely one or more of the following:

1. If the series meets local curricular needs and/or is approved by local committees.
2. If the production is good/superior.
3. If the rental fee is reasonable.
4. If the recordings are of high technical quality.
5. If the television teacher does a superior job.

Another questionnaire was sent to places which have received an ETV construction permit or are planning to start telecasting within a year or so. Ten replies were received from those far enough along in their programming for ITV for grades K-12 to give data covering the projected sources for programming. These ten stations plan to program 42.5 per cent of their time by

means of recorded materials procured from other sources.

Control Over Selection of ITV Offerings

Table 2 shows the various educational groups who were responsible for selection of ITV offerings. Closed circuit offerings were most frequently determined by one school system. Offerings over ETV stations and commercial channels were most frequently determined by a group of cooperating school systems.

TABLE 2

EDUCATIONAL GROUPS HAVING CONTROL OVER SELECTION OF ITV OFFERINGS

Control Pattern \ Installations	ETV	CCTV	COM	TOTAL
One school system	14	33	9	56
One county system	2	2	-	4
One school district plus one county system	2	-	-	2
Cooperation among two or more school districts and/or county systems	25	1	22	48
State network	2	1	-	3
Other control patterns	*11	-	**4	15

*Variety of groups cooperating with state departments of education (6), various television councils and associations (4), MPATI membership group (1).

**Cooperation between school systems and state departments of education (2), television councils (2).

N = 61-ETV, 37-CCTV, 35-COM

ITV Budgets for ETV Stations

Total budgets for ITV programming were reported by 47 ETV individual stations or groups of cooperating stations and MPATI. These are shown in Table 3. The median budget figure is $142,000.

TABLE 3

TOTAL BUDGETS FOR ITV PROGRAMMING
OVER ETV STATIONS

$ 1,000	$ 73,910	$145,000	$210,000
3,500	75,000	150,000	217,000
5,000	75,000	150,000	220,000
20,000	85,000	155,000	224,000
20,970	89,000	155,700	256,000
30,303	90,000	160,000	315,000
35,000	90,000	160,000	425,000
35,000	100,000	168,566	511,500
37,400	103,000	170,000	575,000
38,000	103,514	175,000	650,000
40,496	112,000	200,000	3,000,000 (MPATI)
57,000	142,172	200,000	

N = 54

One station reported that it had no separate ITV budget. One received varying sums of money from the state. In three cases, the figures quoted were for a network arrangement of 2 stations. In one case, the figure quoted was for a network of 4 stations.

Sources of Income for ITV Programming Over ETV Stations

As can be seen in Table 4, the money for ITV programming over ETV stations most frequently came directly from the participating school districts.

TABLE 4

SOURCES OF INCOME FOR ITV PROGRAMMING OVER ETV STATIONS

Participating school district(s)	31
State appropriations	7
School districts plus state appropriations	4
Local ITV councils	2
School districts plus grants	2
School districts plus university	1
State plus ITV association	1
School districts, state, ETV council, plus gifts	1
County systems plus some local underwriting	1

N = 57

Assessment Formulas for ETV Stations

Many ETV stations or the cooperating school districts have formulated a system of assessment for the raising of money for ITV programming. The formulas ranged from 25¢ per pupil in the school system to $100 "per floor" plus $2.00 per pupil. The median assessment figure was $1.00 per pupil.

Cost of Programs (ETV)

Table 5 lists the reported estimated costs of 30-minute ITV programs produced locally, excluding recording and transmission costs.

TABLE 5

REPORTED ESTIMATED COSTS OF 30-MINUTE ITV PROGRAMS PRODUCED LOCALLY, EXCLUDING RECORDING AND TRANSMISSION COSTS (ETV)

Cost Range	Number of Stations Reporting	Percentage of Stations in Cost Range
$ 0-50	8	30% - $100 or less
50-100	7	
100-150	8	28% - $100 to $200
150-200	6	
200-300	4	24% - $200 to $500
300-500	7	
(375-1,000-1,500 (Various Series	1	
500-750	5	14% - $500 to $1,000
1,000	2	
1,800	1	4%
2,307	1	

Median = $150 - $200

N = 54

Method of Data Collection

Questionnaires were sent to all educational television stations, together with a request for copies of the current printed program schedules. Somewhat shorter questionnaires and requests for printed schedules were sent to closed circuit installations and school districts using commercial stations for ITV programming.

This report is based upon the responses to the questionnaires and a study of the printed program schedules supplied by various transmitting

facilities.

Information was gathered from the 81 ETV stations located in 33 states and the District of Columbia. The two stations in Puerto Rico were excluded from the study because of their unique situation and problems. Nine ETV stations reported no courses for elementary or secondary schools.

Information concerning the 2 channels used by the Midwest Program on Airborne Television Instruction is included in the data from educational television stations. Although MPATI is not a regular ETV station, it serves the same purpose.

Forty-one closed circuit installations located in 19 states reported the use of regular series of instructional lessons. Other responses indicated use only for single-room demonstrations or special uses other than for regular televised instruction; figures from such installations were not included in this report. The 41 closed circuit installations range from a small unit offering only one course to large installations such as the one in Hagerstown, Maryland, serving one county, and the one in South Carolina serving much of the state.

Responses were received from 51 educational units using commercial television stations for ITV courses. These stations are located in 24 states. The educational units range from a single school district using the commercial channel for its own purpose, to a complex of school districts cooperating in planning and production. The offerings range from a single course to a full offering comparable to that of an educational station.

Because some broadcasting facilities did not choose or were unable to answer certain questions on the questionnaires, all data do not represent

100 per cent response. Where the figures do not represent complete responses, the number (N) at the bottom of the table represents the number of broadcasting channels involved. This number is usually more than the total number of responses indicated. This is because networks gave a single reply for the several channels of the network.

TABLE A

OFFERINGS OF ITV SERIES OVER ETV STATIONS, CLOSED CIRCUIT INSTALLATIONS, AND COMMERCIAL CHANNELS

	K-3				4-6				7-9				10-12				TOTALS				
	ETV	CCTV	COM	TO-TAL	ETV	CCTV	COM	TO-TAL	ETV	CCTV	COM	TO-TAL	ETV	CCTV	COM	TO-TAL	ETV	CCTV	COM	TO-TAL	PER-CENT
Science	75	16	16	107	139	26	41	206	51	16	8	75	41	7	4	52	306	65	69	440	23.3
Foreign Languages	14	3	4	21	208	13	31	252	6	8	4	18	2	4	0	6	230	28	39	297	15.7
History-Social Studies	14	4	6	24	65	10	20	95	36	8	9	53	66	3	13	82	181	25	48	254	13.5
English-Language Arts	54	16	11	81	38	9	3	50	19	5	2	26	27	10	1	38	138	40	17	195	10.3
Music	55	18	10	83	53	19	10	82	8	1	1	10	6	1	1	8	122	39	22	183	9.7
Arithmetic-Mathematics	11	10	7	28	50	12	12	74	18	11	1	30	9	7	1	17	88	40	21	149	7.9
Art	29	12	7	48	52	18	12	82	1	1	3	5	4	0	3	7	86	31	25	142	7.5
Physical Ed., Health, Safety	19	5	7	31	24	6	2	32	5	0	0	5	18	2	2	22	66	13	11	90	4.8
News and Public Affairs	1	0	0	1	7	1	2	10	7	0	0	7	3	0	0	3	18	1	2	21	1.1
Miscellaneous	24	1	2	27	14	6	1	21	8	7	1	16	31	15	6	52	77	29	10	116	6.1
TOTAL	296	85	70	451	650	120	134	904	159	57	29	245	207	49	31	287	1312	311	264	1887	99.9

TABLE B

NUMBER OF BROADCASTING FACILITIES OFFERING
SERIES LISTED IN TABLE A

	K-3				4-6				7-9				10-12			
	ETV	CCTV	COM	TO-TAL	ETV	CCTV	COM	TO-TAL	ETV	CCTV	COM	TO-TAL	ETV	CCTV	COM	TO-TAL
Science	45	9	11	65	62	13	28	103	39	11	7	57	23	4	2	29
Foreign Languages	10	3	3	16	65	7	18	90	6	7	3	16	1	3	0	4
History-Social Studies	12	3	5	20	35	6	11	52	26	7	8	41	33	2	5	40
English-Language Arts	34	7	8	49	28	6	3	37	16	4	2	22	22	4	1	27
Music	31	11	6	48	32	11	10	53	8	1	1	10	6	1	1	8
Arithmetic-Mathematics	10	5	6	21	30	7	8	45	16	4	1	21	7	3	1	11
Art	17	6	5	28	35	11	10	56	1	1	3	5	4	0	3	7
Physical Ed., Health, Safety	13	3	5	21	16	5	2	23	3	0	0	3	16	2	2	20
News and Public Affairs	1	0	0	1	7	1	2	10	7	0	0	7	3	0	0	3
Miscellaneous	18	1	2	21	11	6	1	18	8	7	1	16	16	10	6	32

TABLE C

COURSE CONTENT OF ITV SERIES BROADCAST
BY ETV STATIONS

Science

K-3: General science - 74 series. Nature - 1.
4-6: General science - 134. Nature - 4. Physical science - 1.
7-9: General science - 40. Physical science - 6. Life science - 2. Physics - 1. Biology - 1. Sea biology - 1.
10-12: Biology - 16. Advanced biology - 1. Physics - 8. General science - 6. Chemistry - 6. Advanced science - 2. Botany - 1. Electronics - 1.

Foreign Language

K-3: Spanish - 11 series. French - 3.
4-6: French - 105. Spanish - 97. German - 6.
7-9: French - 3. Spanish - 2. German - 1.
10-12: French - 2.

History-Social Studies

K-3: Social studies - 10 series. Regional social studies - 3. Geography - 1.
4-6: Social studies - 33. Geography - 15. Regional history - 11. Regional social studies - 3. Social studies plus language arts - 2. United States history - 1.
7-9: Regional history - 12. Social studies - 6. United States history - 4. World geography - 3. Geography - 2. Regional social studies - 2. World history - 2. Civics - 1. World cultures - 1. Government - 1. Scientific geography - 1. Careers - 1.
10-12: Social studies - 30. United States history - 17. Communism - 4. World history - 4. Government - 3. United Nations - 2. Politics - 1. Law - 1. Economics - 1. World cultures - 1. History - 1. American economy - 1.

English-Language Arts

K-3: Speech - 18 series. Story telling - 11. Language arts - 9. Reading - 4. Literature - 3. Phonics - 2. Spelling - 2. Children's literature - 1. Poetry - 1. Drama - 1. Books - 1. Language arts plus social studies - 1.
4-6: Language arts - 15. Literature - 11. Reading - 8. Story telling - 1. Newspaper - 1. Spelling - 1. Books - 1.
7-9: Reading - 8. Literature - 4. English - 3. Language arts - 1. Literature and composition - 1. Grammar - 1. Word study - 1.
10-12: Literature - 9. English - 6. American literature - 4. English literature - 3. Humanities - 2. Advance literature - 1. Language arts - 1. Composition - 1.

Music

K-3: Music - 55 series.
4-6: Music - 41. Music appreciation - 12.
7-9: Music appreciation - 8.
10-12: Instrumental music - 4. Music appreciation -2.

Arithmetic-Mathematics

K-3: Arithmetic - 11 series.
4-6: Arithmetic - 38. Mathematics - 11. Accelerated mathematics - 1.
7-9: Mathematics - 14. Algebra - 4.
10-12: Calculus - 2. Calculus and analytical geometry - 2. Algebra - 1. Advanced algebra - 1. Geometry - 1. Trigonometry - 1. Mathematics - 1.

Art

K-3: Art - 27 series. Crafts - 2.
4-6: Art - 50. Art appreciation - 2.
7-9: Art appreciation - 1.
10-12: Art - 4.

Physical Education, Health, Safety

K-3: Physical education - 9 series. Physical fitness - 6. Dental health - 1. Mental health - 1. Safety - 1. Health - 1.
4-6: Physical education - 16. Safety - 4. Health - 2. Physical fitness - 2.
7-9: Health - 3. Health science - 1. Physical education - 1.
10-12: Driver education - 12. Physical education -2. Smoking - 2. Safety - 2.

Miscellaneous

K-3: All subjects - 16 series. Kindergarten - 7. Readiness - 1. Current events - 1.
4-6: Current events - 7. All subjects - 5. Handwriting - 5. Library - 3. Field trip - 1.
7-9: Current events - 6. Clubs - 4. Core - 2. Home economics - 1. Library - 1. Public affairs - 1.
10-12: Guidance - 8. Specials - 7. Public affairs - 3. Home economics - 3. All subjects - 3. Industrial arts - 2. Home making - 2. Typing - 1. Nutrition - 1. Heritage - 1. Electronics - 1. Year book - 1. Newspaper - 1.

TABLE D

INSTRUCTIONAL PURPOSE OF ITV SERIES

ETV STATIONS

GRADE \ INSTRUCTIONAL PURPOSE	MAJOR RESOURCE	SUPPLEMENTARY	ENRICHMENT
K-3	44	185	67
4-6	250	315	85
7-9	58	70	31
10-12	58	67	82
TOTAL	410	637	265

CLOSED CIRCUIT

GRADE \ INSTRUCTIONAL PURPOSE	BASIC	ENRICHMENT
K-3	51	34
4-6	85	35
7-9	53	4
10-12	36	13
TOTAL	225	86

COMMERCIAL

GRADE \ INSTRUCTIONAL PURPOSE	BASIC	ENRICHMENT
K-3	14	56
4-6	45	89
7-9	8	21
10-12	4	27
TOTAL	71	193

TABLE E

INSTRUCTIONAL PURPOSE OF ITV SERIES ACCORDING TO SUBJECT AREAS - ETV STATIONS

	MAJOR RESOURCE	SUPPLE-MENTAL	ENRICH-MENT
Science			
K-3	5	62	8
4-6	21	112	6
7-9	19	27	5
10-12	20	14	7
TOTALS	65	215	26
Foreign Languages			
K-3	9	5	-
4-6	178	30	-
7-9	4	2	-
10-12	2	-	-
TOTALS	193	37	0
History-Social Studies			
K-3	1	10	3
4-6	13	32	20
7-9	20	12	4
10-12	16	19	31
TOTALS	50	73	58
English-Language Arts			
K-3	3	23	28
4-6	2	24	12
7-9	3	14	2
10-12	8	8	11
TOTALS	16	69	53
Music			
K-3	25	27	3
4-6	16	24	13
7-9	-	-	8
10-12	-	4	2
TOTALS	41	55	26

	MAJOR RESOURCE	SUPPLE-MENTAL	ENRICH-MENT
Arithmetic-Mathematics			
K-3	-	11	-
4-6	5	44	1
7-9	11	7	-
10-12	8	-	1
TOTALS	24	62	2
Art			
K-3	-	23	6
4-6	11	31	10
7-9	-	-	1
10-12	-	4	-
TOTALS	11	58	17
Physical Ed., Health, Safety			
K-3	-	15	4
4-6	3	14	7
7-9	1	4	-
10-12	1	13	4
TOTALS	5	46	15
News and Public Affairs			
K-3	-	-	1
4-6	-	-	7
7-9	-	-	7
10-12	-	-	3
TOTALS	0	0	18
Miscellaneous			
K-3	1	9	14
4-6	1	4	9
7-9	-	4	4
10-12	3	5	23
TOTALS	5	22	50

TABLE F

AIR TIME FOR ITV SERIES
(HOURS AND MINUTES)

GRADES	ENTIRE SERIES [1]		FIRST SEMESTER [2]		FIRST SEMESTER PLUS REPEATS [3]	
	ETV STATIONS					
K-3	3546:00	15.3%	1905:00	15.2%	3037:30	16.1%
4-6	9839:50	42.4%	5287:00	42.4%	7775:30	41.1%
7-9	4419:05	19.0%	2331:00	18.7%	3927:40	20.8%
10-12	5399:30	23.3%	2956:15	23.7%	4166:00	22.0%
TOTAL	23,204:25	100 %	12,479:15	100 %	18,906:40	100 %
	CLOSED CIRCUIT INSTALLATIONS					
K-3	1031:50	13.6%	515:50	13.6%	602:20	12.4%
4-6	1676:30	22.1%	838:20	22.1%	933:00	19.2%
7-9	2988:15	39.3%	1494:10	39.3%	1900:00	39.1%
10-12	1901:30	25.0%	950:45	25.0%	1428:50	29.3%
TOTAL	7598:05	100 %	3799:05	100 %	4864:10	100 %
	COMMERCIAL STATIONS					
K-3	780:30	21.5%	390:30	21.5%	484:30	23.8%
4-6	1896:00	52.2%	947:30	52.1%	1068:00	52.5%
7-9	596:10	16.4%	298:15	16.4%	298:15	14.6%
10-12	359:45	9.9%	180:00	10.0%	185:15	9.1%
TOTAL	3632:25	100 %	1816:15	100 %	2036:00	100 %
	TOTALS: ETV, CCTV, COM					
K-3	5358:20	15.6%	2811:20	15.5%	4124:20	16.0%
4-6	13,412:20	38.9%	7072:50	39.1%	9776:30	37.9%
7-9	8003:30	23.2%	4123:25	22.8%	6125:55	23.7%
10-12	7660:45	22.3%	4087:00	22.6%	5780:05	22.4%
TOTAL	34,434:55	100 %	18,094:35	100 %	25,806:50	100 %

[1] Entire series = Cumulative time for all series, single broadcast.

[2] First semester = Cumulative time for all series during the first semester 1963-64, single broadcast

[3] First semester plus repeats = Cumulative time of all series during the first semester 1963-64, plus repeat broadcast time.

TABLE G

AIR TIME (HOURS AND MINUTES) FOR ITV SERIES
ACCORDING TO SUBJECT AREAS - ETV STATIONS

Science

	ENTIRE SERIES 1	FIRST SEMESTER 2	FIRST SEMESTER + REPEATS 3
K-3	609:55	343:05	621:35
4-6	2235:20	1194:20	1740:45
7-9	1507:30	790:00	1367:50
10-12	1373:55	762:50	1086:50
TOTALS	5726:40	3090:15	4817:00

Foreign Languages

	ENTIRE SERIES 1	FIRST SEMESTER 2	FIRST SEMESTER + REPEATS 3
K-3	234:40	117:15	151:45
4-6	3603:15	1886:15	2775:20
7-9	213:10	115:05	154:35
10-12	160:00	80:00	80:00
TOTALS	4211:05	2198:35	3161:40

History-Social Studies

	ENTIRE SERIES 1	FIRST SEMESTER 2	FIRST SEMESTER + REPEATS 3
K-3	108:10	82:55	122:25
4-6	1013:25	559:15	859:15
7-9	1319:20	694:20	1213:20
10-12	1405:20	758:55	1164:25
TOTALS	3846:15	2095:25	3359:25

English-Language Arts

	ENTIRE SERIES 1	FIRST SEMESTER 2	FIRST SEMESTER + REPEATS 3
K-3	549:59	316:25	586:45
4-6	503:15	275:50	409:45
7-9	208:55	127:35	268:50
10-12	706:40	388:10	543:35
TOTALS	1968:49	1108:00	1808:55

Music

	ENTIRE SERIES 1	FIRST SEMESTER 2	FIRST SEMESTER + REPEATS 3
K-3	787:55	404:35	669:10
4-6	728:20	397:25	587:15
7-9	36:00	28:00	50:00
10-12	80:00	46:00	58:00
TOTALS	1632:15	876:00	1364:25

Arithmetic-Mathematics

	ENTIRE SERIES 1	FIRST SEMESTER 2	FIRST SEMESTER + REPEATS 3
K-3	108:15	63:00	122:45
4-6	648:50	385:25	555:20
7-9	787:40	394:35	504:35
10-12	443:30	240:30	240:30
TOTALS	1988:15	1083:30	1423:10

Art

	ENTIRE SERIES 1	FIRST SEMESTER 2	FIRST SEMESTER + REPEATS 3
K-3	230:25	118:05	155:05
4-6	597:00	311:45	466:10
7-9	4:00	4:00	28:00
10-12	64:00	32:00	64:00
TOTALS	895:25	465:50	713:15

Physical Ed., Health, Safety

	ENTIRE SERIES 1	FIRST SEMESTER 2	FIRST SEMESTER + REPEATS 3
K-3	116:45	58:15	65:45
4-6	190:35	106:50	134:30
7-9	107:30	53:45	175:00
10-12	203:25	146:15	250:30
TOTALS	618:15	365:05	625:45

News and Public Affairs

	ENTIRE SERIES 1	FIRST SEMESTER 2	FIRST SEMESTER + REPEATS 3
K-3	7:30	3:45	3:45
4-6	66:20	33:30	63:45
7-9	111:00	59:10	78:30
10-12	55:00	27:30	42:30
TOTALS	239:50	123:55	188:30

Miscellaneous

	ENTIRE SERIES 1	FIRST SEMESTER 2	FIRST SEMESTER + REPEATS 3
K-3	792:25	397:45	538:30
4-6	253:30	136:30	183:30
7-9	124:00	64:30	87:00
10-12	907:40	474:05	635:40
TOTALS	2077:35	1072:50	1444:40

1 Entire series = Cumulative time for all series, single broadcast
2 First semester = Cumulative time for all series during the first semester 1963-64 only, single broadcast time
3 First semester plus repeats = Cumulative time for all series during the first semester 1963-64 only, plus repeat broadcast time

TABLE H

REPEATS OF LESSONS IN ITV SERIES

ETV STATIONS

GRADES \ NUMBER OF REPEATS	0	1	2	3	4	5	6	7	8	9	10	11
K-3	159	79	45	10	2	0	1	0		0		0
4-6	378	201	47	11	7	4	1	1		0		0
7-9	76	43	11	7	8	5	6	2		0		1
10-12	119	44	16	11	9	5	1	0		2		0
TOTAL	732	367	119	39	26	14	9	3		2		1

CLOSED CIRCUIT

GRADES \ NUMBER OF REPEATS	0	1	2	3	4	5	6	7	8	9	10	11
K-3	78	5	1	1	0	0	0				0	
4-6	112	7	1	0	0	0	0				0	
7-9	44	7	4	1	0	1	0				0	
10-12	33	5	2	2	2	3	1				1	
TOTAL	267	24	8	4	2	4	1				1	

COMMERCIAL

GRADES \ NUMBER OF REPEATS	0	1	2	3	4	5	6	7	8	9	10	11
K-3	59	2	9		0							
4-6	121	7	5		1							
7-9	29	0	0		0							
10-12	24	6	1		0							
TOTAL	233	15	15		1							

TOTALS: ETV, CCTV, COM

GRADES \ NUMBER OF REPEATS	0	1	2	3	4	5	6	7	8	9	10	11
K-3	296	86	55	11	2	0	1	0		0	0	0
4-6	611	215	53	11	8	4	1	1		0	0	0
7-9	149	50	15	8	8	6	6	2		0	0	1
10-12	176	55	19	13	11	8	2	0		2	1	0
TOTAL	1232	406	142	43	29	18	10	3		2	1	1

TABLE I

NUMBER OF ENROLLMENTS REPORTED IN ITV COURSES

ETV STATIONS

1,603,100 students (Response from 20 ETV stations)	(As stated in the questionnaire: "The figure represents the exact number of individual students who use television courses. Each student is counted once, no matter how many courses he views.")
5,364,106 (Response from 35 ETV stations plus MPATI)	(As stated in the questionnaire: "The figure represents 'viewing units'. This is a cumulative figure arrived at by adding the number of viewers for each series offered. In this cumulative figure, a student watching two series is counted twice.")
6,967,206	Total enrollments reported

No response from 17 stations offering ITV for grades K-12

CLOSED CIRCUIT

Grades K-3:	62,143	Enrollments
Grades 4-6:	130,401	Enrollments
Grades 7-9:	27,550	Enrollments
Grades 10-12:	27,322	Enrollments
	247,416	Total enrollments reported

No response for 33 ITV series for grades K-12

COMMERCIAL

Grades K-3:	316,157	Enrollments
Grades 4-6:	853,069	Enrollments
Grades 7-9:	99,988	Enrollments
Grades 10-12:	65,773	Enrollments
	1,334,987	Total enrollments reported

No response for 96 ITV series for grades K-12

TOTAL REPORTED ENROLLMENTS

ETV	-	6,964,206	Enrollments
CCTV	-	247,416	Enrollments
COM	-	1,334,987	Enrollments
		8,546,609	Total enrollments reported

TOTAL: REPORTED AND ESTIMATED ENROLLMENTS IN ITV COURSES

ETV: enrollments reported	6,967,206
ETV: estimated enrollments for 17 stations not reporting	1,000,000
Closed circuit: enrollments reported	247,416
Closed circuit: estimated enrollments for 33 series not reported	3,300
Commercial: enrollments reported	1,334,987
Commercial: estimated enrollments for 96 series not reported	96,000
Total enrollments: reported and estimated	9,648,909

ESTIMATED DIVISION OF TOTAL ENROLLMENTS ACCORDING TO GRADES

GRADES	ETV	CCTV	COM	TOTALS
K-3	2,000,000	63,000	330,000	2,393,000
4-6	4,000,000	131,000	885,000	5,016,000
7-9	800,000	28,000	110,000	938,000
10-12	1,200,000	28,000	75,000	1,303,000
TOTAL	8,000,000	250,000	1,400,000	9,650,000

FIGURES USED IN ARRIVING AT ESTIMATE OF ENROLLMENTS NOT REPORTED BY ETV STATIONS

17 ETV stations not reporting: estimated population in A-B viewing area, according to survey made by National Educational Television and Radio Center, March 1963	14,624,000
Estimated school population in these areas, figuring the school population as 1 in 4	3,656,500
Reported potential in-school population (K-12) in A-B viewing areas of 55 ETV stations reporting enrollments and MPATI	24,452,620
ETV enrollments reported for 64 ETV stations and MPATI	6,967,206
Estimated ITV enrollments for 17 stations not reporting	1,000,000

TABLE J

WEEKLY LESSON FREQUENCY OF ITV SERIES

GRADE \ FREQUENCY	1	2	3	4	5	* 1-2	** 2-3	*** ALT	+ MON	++ OCC
ETV STATIONS										
K-3	166	62	6	4	10	0	0	23	10	15
4-6	285	257	32	25	9	2	0	22	9	9
7-9	70	34	16	13	17	0	6	0	2	1
10-12	101	36	23	14	25	1	2	3	0	2
TOTAL	622	389	77	56	61	3	8	48	21	27
CLOSED CIRCUIT										
K-3	46	25	6	0	1			6	1	0
4-6	56	37	9	1	3			5	6	3
7-9	9	15	11	8	11			0	0	3
10-12	8	6	6	3	13			0	0	13
TOTAL	119	83	32	12	28			11	7	19
COMMERCIAL										
K-3	50	9	1	0	2			8	0	
4-6	86	26	7	1	7			5	2	
7-9	20	3	1	0	5			0	0	
10-12	21	6	1	0	2			1	0	
TOTAL	177	44	10	1	16			14	2	
TOTALS: ETV, CCTV, COM										
K-3	262	96	13	4	13	0	0	37	11	15
4-6	427	320	48	27	19	2	0	32	17	12
7-9	99	52	28	21	33	0	6	0	2	4
10-12	130	48	30	17	40	1	2	4	0	15
TOTAL	918	516	119	69	105	3	8	73	30	46

* One lesson first week, two lessons second week
** Two lessons first week, three lessons second week
*** Alternate weeks
+ Once a month
++ Occasionally

TABLE K

WEEKLY LESSON FREQUENCY OF ITV SERIES ACCORDING TO SUBJECT AREAS - ETV STATIONS

	1	2	3	4	5	* ALT	* MON	* 1-2	* 2-3	* OCC
Science										
K-3	46	11	-	-	-	14	1	-	-	3
4-6	68	50	2	4	-	10	-	2	-	3
7-9	23	10	5	3	6	-	-	-	3	1
10-12	10	6	17	-	4	2	-	1	1	-
TOTALS	147	77	24	7	10	26	1	3	4	7
Foreign Languages										
K-3	3	8	1	2	-		-			
4-6	28	141	26	8	4		1			
7-9	-	4	-	1	1		-			
10-12	-	-	-	-	2		-			
TOTALS	31	153	27	11	7		1			
History-Social Studies										
K-3	11	2	-	1	-				-	
4-6	37	17	2	8	1				-	
7-9	13	3	7	6	6				1	
10-12	39	11	1	7	7				1	
TOTALS	100	33	10	22	14				2	
English-Language Arts										
K-3	40	9	-	1	2	1	-			1
4-6	25	7	2	-	1	2	1			-
7-9	10	7	1	-	-	-	1			-
10-12	10	8	2	1	5	-	-			1
TOTALS	85	31	5	2	8	3	2			2
Music										
K-3	20	27	3				3			2
4-6	31	19	-				3			-
7-9	7	-	-				1			-
10-12	6	-	-				-			-
TOTALS	64	46	3				7			2

	1	2	3	4	5	* ALT	* MON	* 1-2	* 2-3	* OCC
Arithmetic-Mathematics										
K-3	6	2	-	-	-	2			-	1
4-6	31	13	-	4	-	-			-	2
7-9	3	4	3	3	3	-			2	-
10-12	1	2	-	3	3	-			-	-
TOTALS	41	21	3	10	6	2			2	3
Art										
K-3	18	1	1			2	3			4
4-6	34	8	-			4	3			3
7-9	1	-	-			-	-			-
10-12	4	-	-			-	-			-
TOTALS	57	9	1			6	6			7
Physical Ed., Health, Safety										
K-3	9	-	-	-	-	3	3			4
4-6	15	-	-	1	2	6	-			-
7-9	2	3	-	-	-	-	-			-
10-12	13	2	1	2	-	-	-			-
TOTALS	39	5	1	3	2	9	3			4
News and Public Affairs										
K-3	1	-			-					
4-6	7	-			-					
7-9	4	2			1					
10-12	2	1			-					
TOTALS	14	3			1					
Miscellaneous										
K-3	12	2	1	-	8	1	-			-
4-6	9	2	-	-	1	-	1			1
7-9	7	1	-	-	-	-	-			-
10-12	16	6	2	1	4	1	-			1
TOTALS	44	11	3	1	13	2	1			2

* ALT = Alternate weeks
* MON = Once a month
* 1-2 = One lesson first week, two lessons second week
* 2-3 = Two lessons first week, three lessons second week
* OCC = Occasionally

TABLE L

NUMBER OF LESSONS IN ENTIRE LENGTHS OF ITV SERIES

	ETV STATIONS					CLOSED CIRCUIT					COMMERCIAL					TOTALS				
	K-3	4-6	7-9	10-12	TOTAL	K-3	4-6	7-9	10-12	TOTAL	K-3	4-6	7-9	10-12	TOTAL	K-3	4-6	7-9	10-12	TOTAL
2-9	32	44	13	45	134	8	14	2	4	28		7	1	12	20	40	65	16	61	182
10-19	65	70	20	18	173	11	13	2	7	33	20	16	8	6	50	96	99	30	31	256
20-29	33	39	6	10	88	4	9	1	4	18	5	10	1		16	42	58	8	14	122
30-39	89	186	40	48	363	33	36	6	8	83	33	67	10	8	118	155	289	56	64	564
40-49	3	9	2	4	18				1	1		2			2	3	11	2	5	21
50-59	1	12		5	18				1	1		2		1	3	1	14		7	22
60-69	39	202	21	16	278	10	15	3		28	7	17	2		26	56	234	26	16	332
70-79	18	37	9	7	71	9	16	11	5	41	2	1	1	1	5	29	54	21	13	117
80-89		1	5	4	10	2	3	1		6	1	1			2	3	5	6	4	18
90-99	2	19	7	3	31	4	1		1	6		3	1		4	6	23	8	4	41
100-109	2	7	3	10	22	1	3	12	4	20		1		1	2	3	11	15	15	44
110-119	1	1	2		4	1	6			7						2	7	2		11
120-129	1	11	7	7	26	1		1	3	5		1			1	2	12	8	10	32
130-139	1		1	1	3	1	2			3						2	2	1	1	6
140-149		3	8	6	17		1	6	1	8							4	14	7	25
150-159	2	5	4	7	18							3	1		4	2	8	5	7	22
160-169	6	1	8	9	24			6	7	13		1	1		2	6	2	15	16	39
170-179	1	1	3	2	7			1	2	3	2	2	3	2	9	3	3	7	6	19
180-189		2		2	4		1	4		5							3	4	2	9
190-199								1		1								1		1
More				3	3														3	3
No Response									1	1									1	1

TABLE M

NUMBER OF LESSONS IN ENTIRE LENGTHS OF ITV SERIES
ACCORDING TO SUBJECT AREAS - ETV STATIONS

	Science					Foreign Languages					History-Social Studies					English-Language Arts					Music				
	K-3	4-6	7-9	10-12	TOTAL	K-3	4-6	7-9	10-12	TOTAL	K-3	4-6	7-9	10-12	TOTAL	K-3	4-6	7-9	10-12	TOTAL	K-3	4-6	7-9	10-12	TOTAL
2-9	6	7	4	2	19		1			1	1	3		26	30	1	8	2	6	17	5	5	6		16
10-19	29	22	4	2	57	1				1	7	19	7	7	40	14	3	5	5	27	2	5	2	2	11
20-29	8	13			21		7			7	3	3	1		7	12	3	3	2	20	8	2			10
30-39	24	38	16	12	90	2	29	1		32		13	6	14	33	18	15	5	1	39	11	23		4	38
40-49		5		3	8		4			4	1				1			2		2	1				1
50-59		3		4	7		9			9									1	1	1				1
60-69	8	42	10		60	5	108	1		114	1	16	1	2	20	7	7		4	18	14	11			25
70-79		8	2	2	12	3	15	1		19	1	3	1	2	7			1	1	2	11	7			18
80-89			3	1	4		1			1			2	1	3										
90-99				2	2		15	1		16		3	5		8		1	1		2	2				2
100-109			1	8	9	1	6			7		1	1		2				1	1					
110-119			2		2	1	1			2															
120-129		1	3	1	5	1	7	1		9		1	1	2	4										
130-139													1	1	2	1				1					
140-149			1		1		1			1		2	5	4	11				1	1					
150-159			1	3	4		1			1			1	3	4		1		1	2					
160-169			3	1	4			1	2	3		1	2	1	4	1			4	5					
170-179			1		1		1			1			2	2	4										
180-189							2			2				1	1										
190-199																									
More																									

	Arithmetic-Mathematics					Art					Physical Ed., Health, Safety					News and Public Affairs					Miscellaneous				
	K-3	4-6	7-9	10-12	TOTAL	K-3	4-6	7-9	10-12	TOTAL	K-3	4-6	7-9	10-12	TOTAL	K-3	4-6	7-9	10-12	TOTAL	K-3	4-6	7-9	10-12	TOTAL
2-9	1	5		1	7	10	10	1		21	8	3		4	15							2		6	8
10-19	4	4			8	1	5			6	5	11		1	17			1		1	2	1	1	1	5
20-29		10			10									6	6		1	2		3	2			2	4
30-39	4	17	3		24	16	30		4	50	6	7	2	6	21	1	6	1	2	10	7	8	6	5	26
40-49						1				1				1	1										
50-59																									
60-69		11	4	1	16	1	5			6			2		2			2	1	3	3	2	1	8	14
70-79	2	2	3		7		2			2			1		1						1			2	3
80-89				2	2																				
90-99																								1	1
100-109			1		1																1			1	2
110-119																									
120-129		1	2	4	7							1			1										
130-139																									
140-149			2		2																			1	1
150-159			1		1							2			2			1		1	2	1			3
160-169			2	1	3																5				5
170-179																					1				1
180-189																								1	1
190-199																									
More																								3	3

TABLE N

LENGTHS OF INDIVIDUAL LESSONS

ETV STATIONS

GRADE \ MINUTES	10-12	15	20	25	30	35-40
K-3	1	174	83	8	30	0
4-6	9	282	138	71	150	0
7-9	1	13	18	31	94	2
10-12	0	11	6	32	155	3
TOTAL	11	480	245	142	429	5

CLOSED CIRCUIT INSTALLATIONS

GRADE \ MINUTES	5-12	15	20	25	30	35-53
K-3	5	37	34	9	0	0
4-6	4	29	50	18	17	2
7-9	3	1	5	11	16	21
10-12	0	3	5	8	20	13
TOTAL	12	70	94	46	53	36

COMMERCIAL STATIONS

GRADE \ MINUTES		15	20	25	30	
K-3		43	7	0	20	
4-6		56	15	9	54	
7-9		7	5	2	15	
10-12		6	1	1	23	
TOTAL		112	28	12	112	

TOTALS: ETV, CCTV, COM

GRADE \ MINUTES	5-12	15	20	25	30	35-53
K-3	6	254	124	17	50	0
4-6	13	367	203	98	221	2
7-9	4	21	28	44	125	23
10-12	0	20	12	41	198	16
TOTAL	23	662	367	200	594	41

TABLE O

LENGTHS OF INDIVIDUAL LESSONS IN ITV SERIES
ACCORDING TO SUBJECT AREAS - ETV STATIONS

GRADE \ MINUTES	10-12	15	20	25	30	35-40
Science						
K-3		42	25	2	6	
4-6		19	48	23	49	
7-9		2	1	13	34	1
10-12				3	35	3
TOTALS		63	74	41	124	4
Foreign Languages						
K-3		14				
4-6	5	163	14	1	25	
7-9		2	1		3	
10-12					2	
TOTALS	5	179	15	1	30	
History-Social Studies						
K-3		7	7			
4-6		24	18	11	12	
7-9		2	7	10	17	
10-12		4	1	13	48	
TOTALS		37	33	34	77	
English-Language Arts						
K-3	1	36	15	2		
4-6	1	12	11	5	9	
7-9		3	5	4	7	
10-12			2	10	15	
TOTALS	2	51	33	21	31	
Music						
K-3		34	13	1	7	
4-6		17	12	8	16	
7-9					8	
10-12					6	
TOTALS		51	25	9	37	

GRADE \ MINUTES	10-12	15	20	25	30	35
Arithmetic-Mathematics						
K-3		5	3		3	
4-6		15	16	6	13	
7-9			1	3	14	
10-12					9	
TOTALS		20	20	9	39	
Art						
K-3		14	10	3	2	
4-6		15	10	11	16	
7-9					1	
10-12					4	
TOTALS		29	20	14	23	
Physical Ed., Health, Safety						
K-3		11	4		4	
4-6	3	12	6	2	1	
7-9		1			4	
10-12		1		2	15	
TOTALS	3	25	10	4	24	
News and Public Affairs						
K-3		1				
4-6		3	3	1		
7-9	1	2	2		2	
10-12				1	2	
TOTALS	1	6	5	2	4	
Miscellaneous						
K-3		10	6		8	
4-6		2		3	9	
7-9		1	1	1	4	1
10-12		6	3	3	19	
TOTALS		19	10	7	40	1

TABLE P

IN-SERVICE EDUCATION

SERIES OFFERINGS

GRADE CONCERNED	SERIES OFFERINGS				NUMBER OF FACILITIES OFFERING THESE SERIES			
	ETV	CCTV	COM	TOTAL	ETV	CCTV	COM	TOTAL
K-3	107	1	11	117	36	1	7	43
7-12	36	-	1	37	17	-	1	18
Many Grades	24	5	1	30	6	5	1	12
TOTAL	167	6	13	186	-	-	-	-

LENGTH OF LESSONS

10 minutes - 2
15 minutes - 4
20 minutes - 9
25 minutes - 12
30 minutes - 155
45 minutes - 3
60 minutes - 1

FREQUENCY OF LESSONS

Once a week - 132
Twice a week - 8
Three times a week - 3
Four times a week - 3
Five times a week - 6
Alternate weeks - 12
Once a month - 17
Occasionally - 5

REPEATS

No repeats - 159
One repeat - 21
Two repeats - 6

SOURCES OF SERIES

Produced locally - 137
Secured elsewhere - 49

NUMBER OF LESSONS IN SERIES

1-9 - 40
10-19 - 43
20-29 - 14
30-39 - 73
40-49 - 1
60-69 - 4
90-99 - 2
120-129 - 1
160-169 - 5
Unspecified - 3

TABLE Q

SOURCES OF ITV SERIES

GRADE \ SOURCE	PRODUCED LOCALLY	RECORDED SERIES SECURED FROM OTHER SOURCES	PICKED UP FROM AIR
ETV STATIONS			
K-3	235	55	6
4-6	484	155	11
7-9	123	33	3
10-12	120	85	2
TOTAL	962	328	22
CLOSED CIRCUIT			
K-3	73	12	0
4-6	106	14	0
7-9	54	0	3
10-12	47	1	1
TOTAL	280	27	4
COMMERCIAL			
K-3	58	12	0
4-6	100	34	0
7-9	23	6	0
10-12	29	2	0
TOTAL	210	54	0
TOTALS: ETV, CCTV, COM			
K-3	366	79	6
4-6	690	203	11
7-9	200	39	6
10-12	196	88	3
TOTAL	1452	409	26

SOURCES OF 409 RECORDED SERIES

SOURCE	NUMBER OF DIFFERENT SERIES	USES BY ETV	USES BY CCTV	USES BY COM
NETRC	34	65	1	4
MPATI	16	33	2	2
NITL	4	12	-	4
GPRITL	6	6	2	8
16 ETV stations	47	62	7	6
3 State Departments of Education	20	16	7	9
5 colleges and universities	9	2	1	7
9 commercial companies	21	115	7	10
4 commercial channels	7	12	-	-
8 other sources	8	5	-	4
TOTALS	172	328	27	54

TABLE R

ATTITUDE TOWARD USE OF RECORDED MATERIAL PRODUCED ELSEWHERE
(ETV STATIONS AND COMMERCIAL CHANNELS)

RESPONSE TO QUESTION: "Would you consider using ITV series produced elsewhere?"

	ETV	COM	TOTAL
YES	58	30	88
NO	1	2	3

* * * * * * * * * * *

RESPONSE TO QUESTION: "Under what conditions?"

	ETV	COM	TOTAL
If course meets local curricular needs	29	22	51
If the production is good/superior	21	5	26
If the rental fee is reasonable	13	7	20
If course is approved by local committees, etc.	9	-	9
If the recordings are of high technical quality	5	-	5
If the television teacher does a superior job	5	-	5
If the series cannot be produced locally	3	-	3
If the series is better than can be produced locally	2	-	2
If the sequence of lessons is flexible	1	1	2
If preview materials are available	-	2	2
If accompanied by study guides, etc.	-	2	2
If the course is in accord with state policy	1	1	2
If it meets GPRITL standards	1	1	2
If it meets MPATI standards	1	-	1
If all clearances have been made	1	-	1
If the lessons are no longer than 20 minutes	1	-	1
If there are no local references	1	-	1
If a tape machine were available	-	1	1
If shipping costs were the only charge	-	1	1
Reluctantly	-	1	1
Uncertain	-	1	1

TABLE S

ASSESSMENT FORMULAS - ETV STATIONS

25¢ per pupil in system
25¢ A.D.A.
50¢
50¢ A.D.A.
50¢ per pupil in system (2)
75¢ A.D.A./$1.50 A.D.A. for metropolitan schools
75¢ per pupil plus $1.00 per teacher
75¢ per elementary pupil and special assessment for secondary programs
80¢ per pupil enrolled/$5,500 maximum
$1.00 (3)
$1.00 per pupil (2)
$1.00 per pupil enrolled
$1.00 per pupil enrolled or $4.00 per pupil in television classes
$1.00 A.D.A.
$1.00 A.D.M.
$1.02 A.D.A.
$1.00-$2.00
$1.25 A.D.A. for larger counties; flat fee for smaller
$1.50
$1.50 per pupil (K-12)
$2.00 per pupil
$1.00 for K-3, $3.00 for 4-12 or 50¢-75¢ for entire enrollment in county system
$3.89, approximate cost per pupil, paid by school district (station owned and operated by one district)
$100.00 "per floor" plus $2.00 per pupil/$2.00 per pupil for smaller schools
Number participating pupils times course cost per pupil
? - A.D.A.

N = 53

No assessment formula because other ways of securing money, etc. - 14